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Intel Legal Team

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Page 1 of 15

Date: 28-Feb-06

To: Denise Tran Fax: 571-273-8300 Phone: 571-272-4189
United States Patent and Trademark Office

From: Cynthia Thomas Faatz Fax: 408-765-4087 Phone: 530-268-7347

Subject: Amendment in Application Serial No. 09/643,380

A CONFIRMATION COPY OF THIS DOCUMENT:

WILL NOT BE SENT

Application No.: 09/643,380
Filing Date: August 21, 2000
First Named Inventor: Manoj Khare et al.
Group Art Unit: 2185
Examiner Name: Denise Tran
Attorney Docket No.: 42390.P9301

Enclosures:

1. Transmittal Form (1 page).
2. Fee Transmittal for FY 2006 (1 page in duplicate).
3. Amendment and Response (11 pages).

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PTO/SB/21 (09-04)

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| | | | |
|---|----------------------|------------------------|-------------|
| TRANSMITTAL FORM (to be used for all correspondence after initial filing) | Application Number | 06/843,380 | |
| | Filing Date | August 21, 2000 | |
| | First Named Inventor | Manoj Khare et al. | |
| | Art Unit | 2185 | |
| | Examiner Name | Tran, Denise | |
| Total Number of Pages in This Submission | 14 | Attorney Docket Number | 42390.P9301 |

| ENCLOSURES (Check all that apply) | | |
|---|---|---|
| <input checked="" type="checkbox"/> Fee Transmittal Form | <input type="checkbox"/> Drawing(s) | <input type="checkbox"/> After Allowance Communication to TC |
| <input type="checkbox"/> Fee Attached | <input type="checkbox"/> Licensing-related Papers | <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences |
| <input checked="" type="checkbox"/> Amendment/Reply | <input type="checkbox"/> Petition | <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) |
| <input type="checkbox"/> After Final | <input type="checkbox"/> Petition to Convert to a Provisional Application | <input type="checkbox"/> Proprietary Information |
| <input type="checkbox"/> Affidavits/declaration(s) | <input type="checkbox"/> Power of Attorney, Revocation | <input type="checkbox"/> Status Letter |
| <input type="checkbox"/> Extension of Time Request | <input type="checkbox"/> Change of Correspondence Address | <input type="checkbox"/> Other Enclosure(s) (please identify below): |
| <input type="checkbox"/> Express Abandonment Request | <input type="checkbox"/> Terminal Disclaimer | |
| <input type="checkbox"/> Information Disclosure Statement | <input type="checkbox"/> Request for Refund | |
| <input type="checkbox"/> Certified Copy of Priority Document(s) | <input type="checkbox"/> CD, Number of CD(s) _____ | |
| <input type="checkbox"/> Reply to Missing Parts/Incomplete Application | <input type="checkbox"/> Landscape Table on CD | |
| <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53 | Remarks | |

| SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT | | |
|--|------------------------|-----------------|
| Firm Name | Intel Corporation | |
| Signature | /Cynthia Thomas Faatz/ | |
| Printed name | Cynthia Thomas Faatz | |
| Date | February 28, 2006 | Reg. No. 39,973 |

| CERTIFICATE OF TRANSMISSION/MAILING | | |
|---|------------------------|------------------------|
| I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below: | | |
| Signature | /Cynthia Thomas Faatz/ | |
| Typed or printed name | Cynthia Thomas Faatz | Date February 28, 2006 |

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| | | | | |
|--|--|--------------------------|---------------------|-------------|
| FEE TRANSMITTAL For FY 2006 | | Complete if Known | | |
| | | Application Number | 09/643,380 | |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27 | | Filing Date | August 21, 2000 | |
| | | First Named Inventor | Manoj Khare et al. | |
| | | Examiner Name | Tran, Denise | |
| | | Art Unit | 2185 | |
| TOTAL AMOUNT OF PAYMENT (\$) | | 0.00 | Attorney Docket No. | 42390.P9301 |

METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): _____
☒ Deposit Account - Deposit Account Number: 50-0221 Deposit Account Name: Intel Corporation
 For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)
☒ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee
☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayments

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FEE CALCULATION (All the fees below are due upon filing or may be subject to a surcharge.)

1. BASIC FILING, SEARCH, AND EXAMINATION FEES

| Application Type | FILING FEES | | SEARCH FEES | | EXAMINATION FEES | | Fees Paid (\$) |
|------------------|-------------|-----------------------|-------------|-----------------------|------------------|-----------------------|----------------|
| | Fee (\$) | Small Entity Fee (\$) | Fee (\$) | Small Entity Fee (\$) | Fee (\$) | Small Entity Fee (\$) | |
| Utility | 300 | 150 | 500 | 250 | 200 | 100 | 0 |
| Design | 200 | 100 | 100 | 50 | 130 | 65 | 0 |
| Plant | 200 | 100 | 300 | 150 | 160 | 80 | 0 |
| Reissue | 300 | 150 | 500 | 250 | 600 | 300 | 0 |
| Provisional | 200 | 100 | 0 | 0 | 0 | 0 | 0 |

2. EXCESS CLAIM FEES

| Fee Description | Fee (\$) | Small Entity Fee (\$) |
|--|----------------------|-----------------------|
| | Fee (\$) | Fee (\$) |
| Each claim over 20 (including Reissues) | 50 | 25 |
| Each independent claim over 3 (including Reissues) | 200 | 100 |
| Multiple dependent claims | 360 | 180 |
| Total Claims | Extra Claims | Fee (\$) |
| 26 - 20 or HP = 0 | 60 | 0 |
| HP = highest number of total claims paid for, if greater than 20. | | |
| Indep. Claims | Extra Claims | Fee (\$) |
| 3 - 3 or HP = 0 | 200 | 0 |
| HP = highest number of independent claims paid for, if greater than 3. | | |
| Multiple Dependent Claims | | |
| Fee (\$) | Fee Paid (\$) | |
| 360 | 0 | |

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(IX)(G) and 37 CFR 1.16(s).

| Total Sheets | Extra Sheets | Number of each additional 50 or fraction thereof | Fee (\$) | Fee Paid (\$) |
|--------------|--------------|--|----------|---------------|
| 0 - 100 = 0 | 0 | 0 | 0 | 0 |

4. OTHER FEE(S)

| | |
|---|----------------|
| Non-English Specification, \$130 fee (no small entity discount) | Fees Paid (\$) |
| Other (e.g., late filing surcharge): 0 | 0 |

| | | | |
|---------------------|------------------------|--------------------------------------|-------------------|
| SUBMITTED BY | | | |
| Signature | /Cynthia Thomas Faatz/ | Registration No. (Attorney/Agent) | 39,973 |
| Name (Print/Type) | Cynthia Thomas Faatz | Telephone | 530-268-7347 |
| | | Date | February 28, 2006 |

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/17 (01-08)

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FEE TRANSMITTAL
For FY 2006☐ Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT** (\$) 0.00**Complete if Known**

| | |
|----------------------|--------------------|
| Application Number | 09/643,380 |
| Filing Date | August 21, 2000 |
| First Named Inventor | Manoj Khare et al. |
| Examiner Name | Tran, Denise |
| Art Unit | 2185 |
| Attorney Docket No. | 42390.P9301 |

METHOD OF PAYMENT (check all that apply)☐ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): _____☒ Deposit Account Deposit Account Number: 50-0224 Deposit Account Name: Intel Corporation

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayments**WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**FEE CALCULATION (All the fees below are due upon filing or may be subject to a surcharge.)****1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

| Application Type | FILING FEES | | SEARCH FEES | | EXAMINATION FEES | | Fees Paid (\$) |
|------------------|-------------|-----------------------|-------------|-----------------------|------------------|-----------------------|----------------|
| | Fee (\$) | Small Entity Fee (\$) | Fee (\$) | Small Entity Fee (\$) | Fee (\$) | Small Entity Fee (\$) | |
| Utility | 300 | 150 | 500 | 250 | 200 | 100 | 0 |
| Design | 200 | 100 | 100 | 50 | 130 | 65 | 0 |
| Plant | 200 | 100 | 300 | 150 | 160 | 80 | 0 |
| Reissue | 300 | 150 | 500 | 250 | 600 | 300 | 0 |
| Provisional | 200 | 100 | 0 | 0 | 0 | 0 | 0 |

2. EXCESS CLAIM FEES**Fee Description**

Each claim over 20 (including Reissues)

| Fee (\$) | Small Entity Fee (\$) |
|----------|-----------------------|
| 50 | 25 |

Each independent claim over 3 (including Reissues)

| | |
|-----|-----|
| 200 | 100 |
|-----|-----|

Multiple dependent claims

| | |
|-----|-----|
| 360 | 180 |
|-----|-----|

| Total Claims | Extra Claims | Fee (\$) | Fee Paid (\$) |
|--------------|--------------|----------|---------------|
|--------------|--------------|----------|---------------|

| | | | | |
|----|--------------|---|--------|---|
| 28 | - 20 or HP = | 0 | x 50 = | 0 |
|----|--------------|---|--------|---|

HP = highest number of total claims paid for, if greater than 20.

| Indep. Claims | Extra Claims | Fee (\$) | Fee Paid (\$) |
|---------------|--------------|----------|---------------|
|---------------|--------------|----------|---------------|

| | | | | |
|---|-------------|---|---------|---|
| 3 | - 3 or HP = | 0 | x 200 = | 0 |
|---|-------------|---|---------|---|

HP = highest number of independent claims paid for, if greater than 3.

| Multiple Dependent Claims | Fee (\$) | Fee Paid (\$) |
|---------------------------|----------|---------------|
| 360 | | 0 |

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

| Total Sheets | Extra Sheets | Number of each additional 50 or fraction thereof | Fee (\$) | Fee Paid (\$) |
|--------------|--------------|--|----------|--------------------------------------|
| 0 | - 100 = | 0 / 50 = | 0 | (round up to a whole number) x 0 = 0 |

4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Fees Paid (\$)

0

Other (e.g., late filing surcharge): 0

0

SUBMITTED BY

| | | | | | |
|-------------------|------------------------|--------------------------------------|--------|-----------|-------------------|
| Signature | /Cynthia Thomas Faatz/ | Registration No. (Attorney/Agent) | 39,973 | Telephone | 530-268-7347 |
| Name (Print/Type) | Cynthia Thomas Faatz | | | Date | February 28, 2006 |

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Patent

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

| | | |
|-------------------------------|---|------------------------|
| In re Application of: |) | |
| |) | |
| Manoj Khare et al. |) | Examiner: Tran, Denise |
| |) | |
| Serial No.: 09/643,380 |) | Art Unit: 2185 |
| |) | |
| Filing Date: August 21, 2000 |) | |
| |) | |
| For: A METHOD AND APPARATUS |) | |
| FOR PIPELINING ORDERED |) | |
| INPUT/OUTPUT TRANS- |) | |
| ACTIONS TO COHERENT |) | |
| MEMORY IN A DISTRIBUTED |) | |
| MEMORY, CACHE COHERENT |) | |
| <u>MULTI-PROCESSOR SYSTEM</u> |) | |

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Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

AMENDMENT AND RESPONSE

Dear Sir:

In response to the Office Action mailed November 30, 2005 please enter the following amendments and consider the following remarks.

Amendments to the Claims are reflected in the listing of claims, which begins on page 2 of this paper.

Remarks/Arguments begin on page 9 of this paper.